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import MySQLdb
from reportlab.pdfgen import canvas
from reportlab.lib.pagesizes import letter
from reportlab.lib.units import inch, cm

conn = MySQLdb.connect(host = 'localhost',
                       user = 'root',
                       passwd = 'cesare05',
                       db = 'texas_tax')

cursor = conn.cursor()
cursor.execute('select * from texassumrpt')
data = cursor.fetchall()

def state_page_total(tt,rec):
    tt.drawString(18, 556, rec['name'])
    tt.drawString(198, 556, str(rec['tax_id']))
    tt.drawRightString(410, 556, str(int(rec['sale_amt'])))
    tt.drawString(432, 556, str(rec['tax']))
    taxamt = round(int(rec['sale_amt']) * rec['tax'],2)
    print taxamt
    tt.drawRightString(585, 556, str(taxamt))

def tax_detail(tt,rec,line_cnt):
    tt.drawString(18, 556-(24*line_cnt), rec['name'])
    tt.drawString(198, 556-(24*line_cnt), str(rec['tax_id']))
    tt.drawRightString(410, 556-(24*line_cnt), str(int(rec['sale_amt'])))
    tt.drawString(432, 556-(24*line_cnt), str(rec['tax']))
    taxamt = round(int(rec['sale_amt']) * rec['tax'],2)
    tt.drawRightString(585, 556-(24*line_cnt), str(taxamt))

def tax_page_total(tt,page_total):
    tt.drawRightString(475, 46, str(page_total))

tt = canvas.Canvas("Texas_Tax_Rpt.pdf", pagesize=letter)
width, height = letter

line_cnt = 0
page_total_amt = 0.0

col_names = ['name', 'tax_id', 'sale_amt', 'tax', 'tax_amt']

for rec in data:
    dict_rec = dict(zip(col_names, rec))
    if dict_rec['name'].rstrip() <> "Texas Tax":
        if line_cnt > 19:
            tax_page_total(tt,page_total_amt)
            page_total_amt = 0.0
            line_cnt = 0
            tt.showPage()
            tax_detail(tt,dict_rec,line_cnt)
            line_cnt += 1
            page_total_amt += round(int(dict_rec['sale_amt']) * dict_rec['tax'],
2)
        else:
            tax_detail(tt,dict_rec,line_cnt)
            line_cnt += 1

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        page_total_amt += round(int(dict_rec['sale_amt']) * dict_rec['tax'],
2)
    else:
        state_page_total(tt,dict_rec)
        tt.showPage()

if line_cnt < 20:
    tax_page_total(tt,page_total_amt)
    tt.showPage()

tt.save()
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